

Covering Period:	Period 3 1 July 2021 – 31 August 2021	Reported By:	Joyce Wong
Time:	09:30 a.m. – 05:00 p.m.	Weather Condition:	Fine (18 August 2021)
Participants:	Toby (Arup), Derek Ng (China State) and Theo Chan (Ramboll)		

1	Zoning According to Maintenance Authorities (HyD/LU)	N/A or not observed	Yes	No	Remarks / Photo
1.1	Is watering provided to all plants to ensure satisfactory growth and health (manual and automatic irrigation)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Not observed
1.2	Are tree stakes, guys and ties provided properly for safety and avoid chaffing of bark?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A No tree planted
1.3	Are trees or limb overhanging braches pruned?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A No tree planted
1.4	After exceptional weather conditions, are proper action implemented to replace dead plants, repair damaged plants, bed in all plants that have blown over, frim up all other plants and immediately thereafter, remove dead plants and plants debris from the site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A
1.5	Are litter and debris removed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Not observed
1.6	Are planting areas matched with the approved landscape plan?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.7	Is planting pattern matched with the approved landscape plan?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.8	Are planting locations and spacing matching with the approved landscape plan?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.9	Are the planting species on the site matched with the approved landscape plan?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.10	Are the plants in satisfied condition?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Photo P1 & P2
2	Zoning According to Maintenance Authorities (LCSD)	N/A or not observed	Yes	No	Remarks / Photo
2.1	Is watering provided to all plants to ensure satisfactory growth and health (manual and automatic irrigation)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.2	Are tree stakes, guys and ties provided properly for safety and avoid chaffing of bark?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.3	Are trees or limb overhanging braches pruned?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Not observed
2.4	After exceptional weather conditions, are proper action implemented to replace dead plants, repair damaged plants, bed in all plants that have blown over, frim up all other plants and immediately thereafter, remove dead plants and plants debris from the site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A
2.5	Are litter and debris removed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Not observed
2.6	Are planting areas matched with the approved landscape plan?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.7	Is planting pattern matched with the approved landscape plan?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.8	Are planting locations and spacing matching with the approved landscape plan?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.9	Are the planting species on the site matched with the approved landscape plan?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.10	Are the plants in satisfied condition?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

3	Zoning According to Maintenance Authorities (TD or Others)	N/A or not observed	Yes	No	Remarks / Photo
3.1	Is watering provided to all plants to ensure satisfactory growth and health (manual and automatic irrigation)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.2	Are tree stakes, guys and ties provided properly for safety and avoid chaffing of bark?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A No tree planted
3.3	Are trees or limb overhanging branches pruned?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A No tree planted
3.4	After exceptional weather conditions, are proper action implemented to replace dead plants, repair damaged plants, bed in all plants that have blown over, frim up all other plants and immediately thereafter, remove dead plants and plants debris from the site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A
3.5	Are litter and debris removed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Not observed
3.6	Are planting areas matched with the approved landscape plan?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.7	Is planting pattern matched with the approved landscape plan?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.8	Are planting locations and spacing matching with the approved landscape plan?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.9	Are the planting species on the site matched with the approved landscape plan?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.10	Are the plants in satisfied condition?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Photo P3 & P4
<hr/>					
4	Zoning According to Maintenance Authorities (AAHK)	N/A or not observed	Yes	No	Remarks / Photo
4.1	Is watering provided to all plants to ensure satisfactory growth and health (manual and automatic irrigation)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4.2	Are tree stakes, guys and ties provided properly for safety and avoid chaffing of bark?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A
4.3	Are trees or limb overhanging braches pruned?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A
4.4	After exceptional weather conditions, are proper action implemented to replace dead plants, repair damaged plants, bed in all plants that have blown over, frim up all other plants and immediately thereafter, remove dead plants and plants debris from the site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A
4.5	Are litter and debris removed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Not observed
4.6	Are planting areas matched with the approved landscape plan?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4.7	Is planting pattern matched with the approved landscape plan?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4.8	Are planting locations and spacing matching with the approved landscape plan?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4.9	Are the planting species on the site matched with the approved landscape plan?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4.10	Are the plants in satisfied condition?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	See Photo P5 & P6
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5	General Document	N/A or not observed	Yes	No	Remarks / Photo
5.1	Are the records of watering, fertilizing, weeding, pruning and mowing kept for checking?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Follow up actions for previous Site Audit:

HyD – Along Expressway of HKLR:

1. The maintenance authorities were reminded to remove the weeds (unwanted species).
2. The maintenance authorities were reminded to replace the unhealthy plants.

LCSD – Above Tunnel SHT East Portal:

3. Proper maintenance for plants was provided. (See Photo F1)

LCSD – Next to Shaft 3:

4. Proper maintenance for plants was provided. (See Photo F2)

LCSD – Between Flight Training Centre and HMA:

5. Proper maintenance for plants was provided. (See Photo F3)

TD / Others – Next to HMA Admiration Building:

6. The maintenance authorities were reminded to remove the weeds (unwanted species) promptly.
7. The maintenance authorities were reminded to replace the plants with unsatisfied condition.

AAHK – Along Airport Road:

8. The Contractor was reminded to replace the plants with unsatisfied condition.
9. The Contractor was reminded to remove the weeds (unwanted species).

Observations:

HyD – Along Expressway of HKLR:

1. Serious weeds affecting planted species were observed. (See Photo P1).
2. Plants with unsatisfied condition (i.e. unhealthy plants) were observed. (See Photo P2)

TD / Others – Next to HMA Admiration Building:

3. Serious weeds affecting planted species were observed. (See Photo P3)
4. Plants with unsatisfied condition were observed. (See Photo P4)

AAHK – Along Airport Road:

5. Plants with unsatisfied condition were observed. (See Photo P5)
6. Serious weeds affecting planted species were observed. (See Photo P6)

Corrective Actions (if any):

HyD – Along Expressway of HKLR:

1. The maintenance authorities should be reminded to remove the weeds (unwanted species) promptly.
2. The maintenance authorities should be reminded to replace the unhealthy plants.

TD / Others – Next to HMA Admiration Building:

3. The maintenance authorities should be reminded to remove the weeds (unwanted species) promptly.
4. The maintenance authorities should be reminded to replace the plants with unsatisfied condition.

AAHK – Along Airport Road:

5. The Contractor was reminded to replace the plants with unsatisfied condition.
6. The Contractor was reminded to remove the weeds (unwanted species).

General Conclusion:

During the site inspection, serious weeds and plants with unsatisfied condition were observed. Proper planting maintenances should be provided on the new planting areas / trees to enhance the aesthetic degree, and ensure planting species/conditions are matched with the approval landscape plan.

Reported by
(ET's Representative): Joyce Wong Title: Environmental Team

Signature:  Date: 18 August 2021

Reviewed by
(RSS Landscape Representative): Sansen Lo Title: RCTO




Signature:  Date: 27 August 2021





Contractor's Representative: Jerek Ng Title: Assistant Environmental officer

Signature:  Date: 27 August 2021

Checked by
(IEC's Representative): Theo Chan Title: Assistant Environmental Consultant

Signature:  Date: 27 July 2021

Location	Photo Record		
<p>LCSD</p>	<p>Photo F1 - Proper maintenance for plants was provided.</p>  <p>Above Tunnel SHT East Portal</p>	<p>Photo F2 - Proper maintenance for plants was provided.</p>  <p>LCSD – Next to Shaft 3</p>	<p>Photo F3 - Proper maintenance for plants was provided.</p>  <p>Between Flight Training Centre and HMA</p>

<p>HyD – Along Expressway of HKLR</p>	<p>Photo P1 - Serious weeds affecting planted species were observed.</p> 	<p>Photo P2 - Plants with unsatisfied condition (i.e. unhealthy plants) were observed.</p> 	
<p>TD / Others – Next to HMA Admiration Building</p>	<p>Photo P3 - Serious weeds affecting planted species were observed.</p> 	<p>Photo P4 - Plants with unsatisfied condition were observed.</p> 	

<p>AAHK – Along Airport Road</p>	<p>Photo P5 - Plants with unsatisfied condition were observed.</p> 	<p>Photo P6 - Serious weeds affecting planted species were observed.</p> 	
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Recent Condition on Site



Photo 01: LCSD Area – Zone G



Photo 02: LCSD Area – Zone G



Photo 03: LCSD Area – Zone B



Photo 04: LCSD Area – Zone B



Photo 05: LCSD Area – Zone C



Photo 06: LCSD Area – Zone C



Photo 07: LCSD Area - Zone D



Photo 08: LCSD Area - Zone D



Photo 09: LCSD Area – Zone E



Photo 10: LCSD Area – Zone E



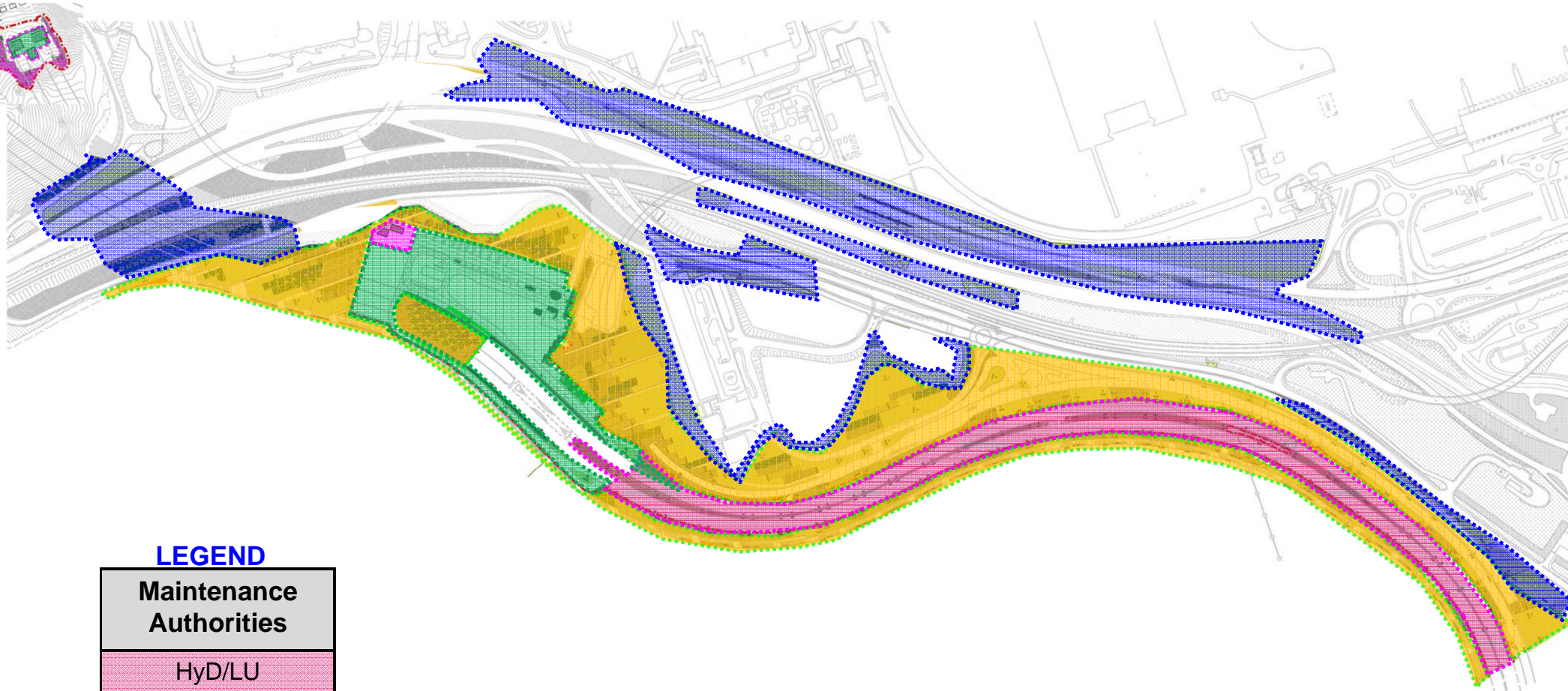
Photo 11: LCSD Area – Zone E



Photo 12: AA Area – Zone D

Annex A
Location Plan

Contract No. HY/2011/03 – Maintenance Authorities for Landscape Works



LEGEND

Maintenance Authorities
HyD/LU
LCSD
TD or Others
AAHK

Annex B

Planting Schedule

AAHK LAND PLANTING SCHEDULE

TREE PLANTING				
SPECIES CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm)	SPACING (mm)
BV	<i>Bauhinia variegata</i>	宮粉羊蹄甲	3500(H) x 50(DBH)	(As shown)

SHRUB PLANTING						
SPECIES CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm)	Planting Pattern	SPACING (mm)	UNIT QTY
OF	<i>Osnabthus fragrans</i>	桂花	600(H) x 300(SP)	Ac2	(As shown)	-
NO	<i>Nerium oleander</i>	夾竹桃	600(H) x 300(SP)	Ac4	(As shown)	-
BG	<i>Bougainvillea glabra</i>	光葉子花	600(H) x 300(SP)	AG1 / As2	750	2/m ²
PS	<i>Rhododendron spp.</i>	杜鵑	300(H) x 150(SP)	Ac3	(As shown)	-
				As2	480	5/m ²

TURFING			
SPECIES CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm)
ZS	<i>Zoysia sp.</i>	結縷草	150(H)

HYDROSEEDING		
SPECIES CODE	BOTANICAL NAME	CHINESE NAME
Cda	<i>Cynodon dactylon</i>	百慕達草
Pno	<i>Paspalum notatum</i>	百喜草
Lpe	<i>Loium perenne</i>	黑麥草

HYD LAND PLANTING SCHEDULE

SHRUB PLANTING						
SPECIES CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm)	Planting Pattern	SPACING (mm)	UNIT QTY
LI	<i>Lagerstroemia indica</i>	細葉紫薇	600(H)	HG5	1000	1/m ²
RS	<i>Rhododendron spp.</i>	杜鵑	300(H)	HG1 / HG5 / HG6 / HG7	380	8/m ²
AA	<i>Agave angustifolia</i>	狹葉龍舌蘭	300(H)	HG3	700	2/m ²
IC	<i>Ixora chinensis</i>	龍船花	300(H)	HG6	380	8/m ²
*NH	<i>Nephrolepis hirsutula</i>	毛葉腎蕨	300(H)	HG7	270	16/m ²

GROUNDCOVER PLANTING						
SPECIES CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm)	Planting Pattern	SPACING (mm)	UNIT QTY
LM	<i>Lantana montevidensis</i>	小葉馬纓丹	150(H)	HG1 / HG3 / HG4 / HG7	380	8/m ²

NOTES:

* Variation work request by SCI for additional planting work to increase density.

TD/OTHERS LAND PLANTING SCHEDULE

SHRUB PLANTING						
SPECIES CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm)	Planting Pattern	SPACING (mm)	UNIT QTY
CP	<i>Caesalpinia pulcherrima</i>	洋金鳳	300(H)	Ms4	750	2/m ²
CH	<i>Calliandra haematocephala</i>	紅絨球	300(H)	Ms4	750	2/m ²
MA	<i>Malvaviscus arboreus var.</i>	懸鈴花	300(H)	Ms4	750	2/m ²
HS	<i>Hippeastrum spp.</i>	朱頂紅	300(H)	MG7	350	10/m ²
IT	<i>Iris tectorum</i>	鳶尾	300(H)	MG7	240	20/m ²
NH	<i>Nephrolepis hirsutula</i>	毛葉腎蕨	300(H)	MG7 / Ms4	450	6/m ²
SR	<i>Strelitzia reginae</i>	鶴望蘭	300(H)	MG7	480	5/m ²

GROUNDCOVER PLANTING						
SPECIES CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm)	Planting Pattern	SPACING (mm)	UNIT QTY
TS	<i>Tradescantia spathacea 'Dwarf'</i>	紫露草 (矮蚌花)	150(H)	Ms4	450	6/m ²
SP	<i>Syngonium podophyllum</i>	合果芋	150(H)	MG7	480	5/m ²

CLIMBER PLANTING						
SPECIES CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm)	Planting Pattern	SPACING (mm)	UNIT QTY
EA	<i>Epipremnum aureum</i>	綠蘿	600(L)	Ms4	450	6/m ²
				Mz1	500	-
FP	<i>Ficus pumila</i>	薜荔	600(L)	Mz1	500	-

TURFING			
SPECIES CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm)
ZS	<i>Zoysia sp.</i>	結縷草	150(H)

HYDROSEEDING		
SPECIES CODE	BOTANICAL NAME	CHINESE NAME
Cda	<i>Cynodon dactylon</i>	百慕達草
Pno	<i>Paspalum notatum</i>	百喜草
Lpe	<i>Loium perenne</i>	黑麥草

LCSD LAND PLANTING SCHEDULE

TREE PLANTING				
SPECIES CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm)	SPACING (mm)
BV	<i>Bauhinia variegata</i>	宮粉羊蹄甲	3500(H) x 75(DBH)	(As shown)
TM	<i>Terminalia mantaly</i>	小葉欖仁樹	3500(H) x 75(DBH)	(As shown)
AL	<i>Albizia lebbek</i>	大葉合歡	3500(H) x 75(DBH)	(As shown)
SS	<i>Senna siamea</i>	鐵刀木	3500(H) x 75(DBH)	(As shown)
BX	<i>Bauhinia variegata var. Candida</i>	白花洋紫荊	3500(H) x 75(DBH)	(As shown)
BP	<i>Bauhinia purpurea</i>	紅花羊蹄甲	3500(H) x 75(DBH)	(As shown)
PR	<i>Plumeria rubra</i>	雞蛋花	2000(H) x 25(DBH)	(As shown)
GR	<i>Grevillea robusta</i>	銀樺	2000(H) x 25(DBH)	(As shown)
CV	<i>Callistemon viminalis</i>	串錢柳	2000(H) x 25(DBH)	(As shown)
TC	<i>Tabebuia chrysantha</i>	黃花風鈴木	2000(H) x 25(DBH)	(As shown)
TP	<i>Thespesia populnea</i>	恒春黃槿	2000(H) x 25(DBH)	(As shown)
AC	<i>Acacia confusa</i>	臺灣相思	150 - 900(H)	(As shown)
RM	<i>Ravenala madagascariensis</i>	旅人蕉	2500(H)	(As shown)
CO	<i>Caryota mitis</i>	魚尾葵	2500(H)	(As shown)
PL	<i>Phoenix loureiroi</i>	刺葵	2500(H)	(As shown)
SN	<i>Strelitzia nicolai</i>	大鶴望蘭	2500(H)	(As shown)

LCSD LAND PLANTING SCHEDULE

SHRUB PLANTING						
SPECIES CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm)	Planting Pattern	SPACING (mm)	UNIT QTY
AG	<i>Agave americana</i>	龍舌蘭	300(H)	LG4	1000	1/m ²
AA	<i>Agave angustifolia</i>	狹葉龍舌蘭	300(H)	LG3	1000	1/m ²
BG	<i>Bougainvillea glabra</i>	光葉子花	300(H)	LG1	750	2/m ²
				LG8	1000	1/m ²
CU	<i>Cuphea hyssopifolia</i>	細葉雪茄花	300(H)	LT5	450	6/m ²
				Ls3	380	8/m ²
HR	<i>Hibiscus rosa-sinensis</i>	大紅花	300(H)	LT4	750	2/m ²
				LG5	1000	1/m ²
HS	<i>Hippeastrum spp.</i>	朱頂紅	300(H)	LG7	270	16/m ²
IT	<i>Iris tectorum</i>	鳶尾	300(H)	LG7 / Ls2	215	25/m ²
LI	<i>Lagerstroemia indica</i>	細葉紫薇	300(H)	LT4	750	2/m ²
				Ls2	1000	1/m ²
MA	<i>Malvaviscus arboreus var.</i>	懸鈴花	300(H)	LT4	750	2/m ²
NH	<i>Nephrolepis hirsutula</i>	毛葉腎蕨	300(H)	LG7 / Ls3	380	8/m ²
				LG8	1000	1/m ²
NO	<i>Nerium oleander</i>	夾竹桃	300(H)	LT4	750	2/m ²
PM	<i>Phyllanthus myrtifolius</i>	錫蘭葉下珠	300(H)	LT1	550	4/m ²
				LT2	380	8/m ²
				Ls3	480	5/m ²
RS	<i>Rhododendron spp.</i>	杜鵑	300(H)	LT3	600	3/m ²
				LG6 / Ls2 / Ls3	380	8/m ²
SR	<i>Strelitzia reginae</i>	鶴望蘭	300(H)	LG7 / Ls2	480	5/m ²

LCSD LAND PLANTING SCHEDULE

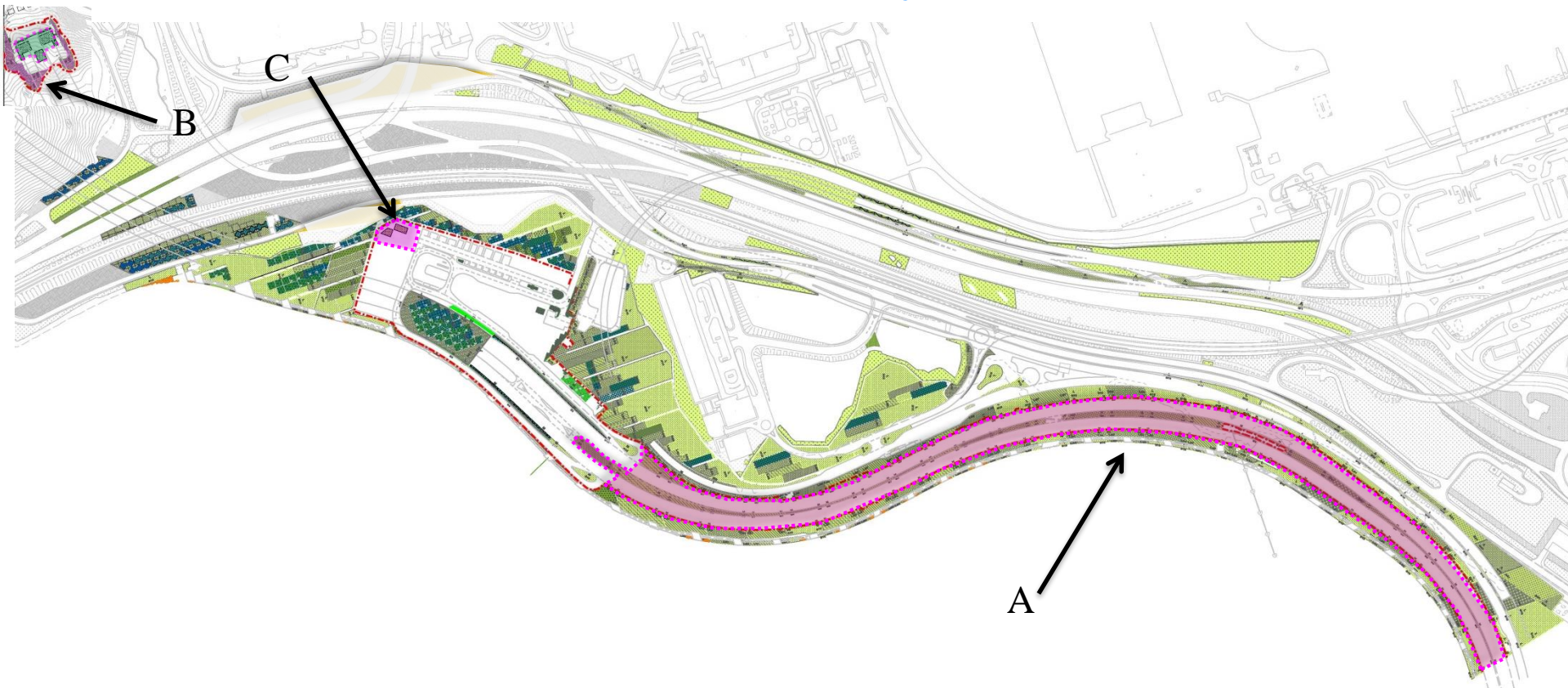
GROUND COVER PLANTING						
SPECIES CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm)	Planting Pattern	SPACING (mm)	UNIT QTY
OJ	<i>Ophiopogon japonicus</i>	麥冬	150(H)	LG3 / LG4 / LG6	240	20/m ²
SP	<i>Syngonium podophyllum</i>	合果芋	150(H)	LG7	360	9/m ²
TS	<i>Tradescantia spathacea 'Dwarf'</i>	矮蚌花	150(H)	LG1 / LG5	350	10/m ²
				LG8	1000	1/m ²
WT	<i>Wedelia trilobata</i>	蟛蜞菊	150(H)	LG2	450	6/m ²
				*LG2 in Planter L22 to L26	225	23/m ²
ZC	<i>Zephyranthes Candida</i>	蔥蓮	150(H)	LG3	240	20/m ²
ZR	<i>Zephyranthes rosea</i>	玫瑰蔥蓮	150(H)	LG4 / LG6	240	20/m ²
TS1	<i>Tradescantia spathacea</i>	大蚌花	150(H)	*LG5 in Planter L22 to L26	175	38/m ²

CLIMBER PLANTING						
SPECIES CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm)	Planting Pattern	SPACING (mm)	UNIT QTY
EA	<i>Epipremnum aureum</i>	綠蘿	600(L)	LG8	1000	1/m ²

TURFING			
SPECIES CODE	BOTANICAL NAME	CHINESE NAME	SIZE (mm)
ZS	<i>Zoysia sp.</i>	結縷草	150(H)

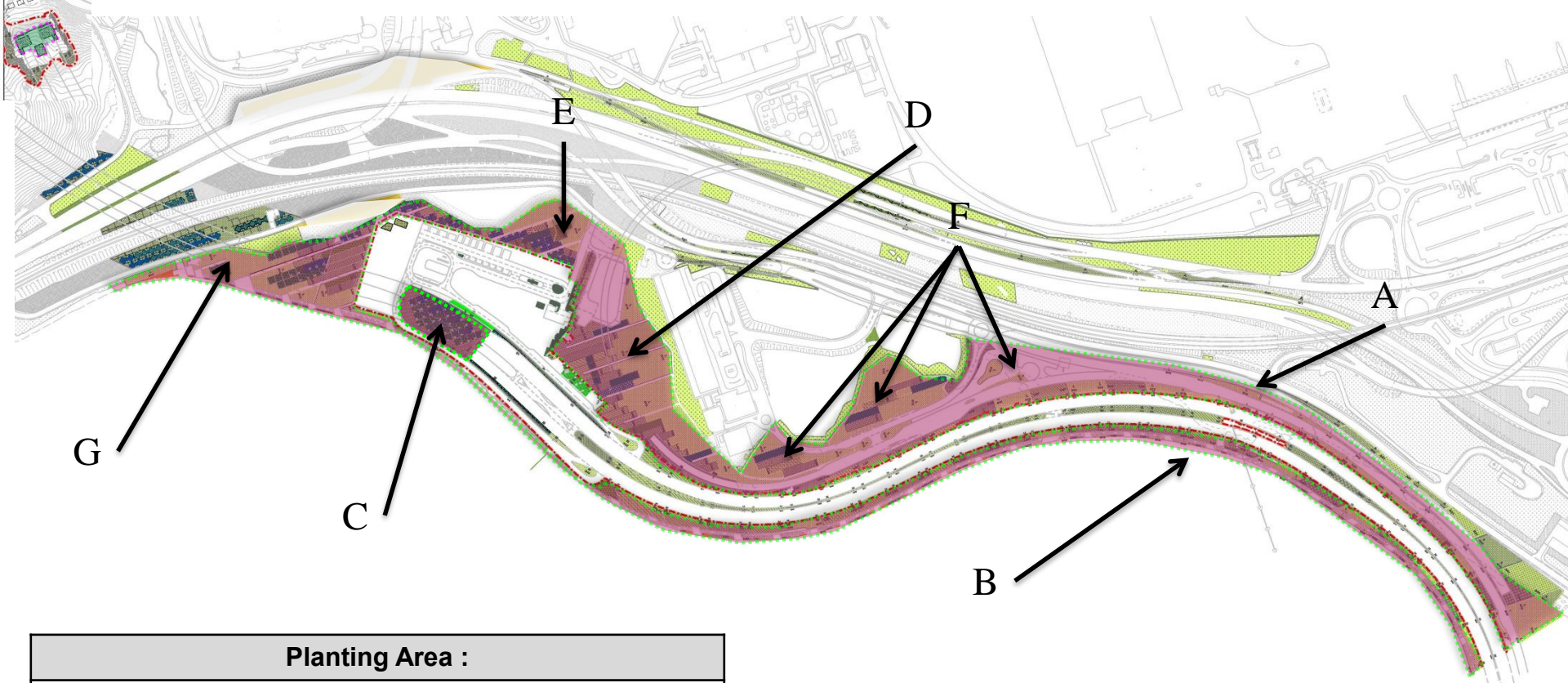
NOTES:

* Variation work request by SCl for additional planting work to increase density.



Planting Area :

- A. Along expressway of HKLR
- B. Tunnel SHT West Portal Slope
- C. Others



Planting Area :

A. Along Chek Lap Kok Road & Tung Wing Road

B. Along Coastal Maintenance Tracks

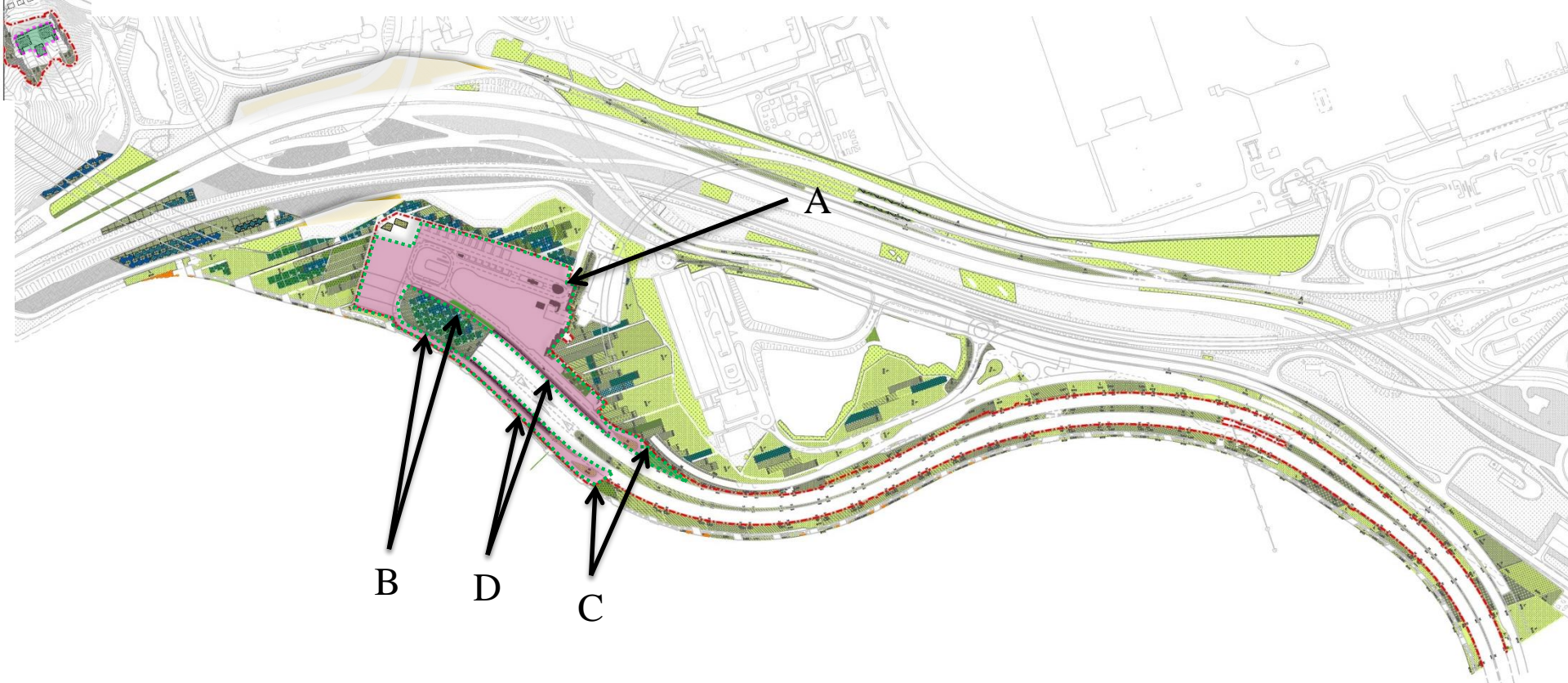
C. Above Tunnel SHT East Portal

D. Triangular Planting Area between CNAC Tower and HMA

E. Between Flight Training Centre and HMA

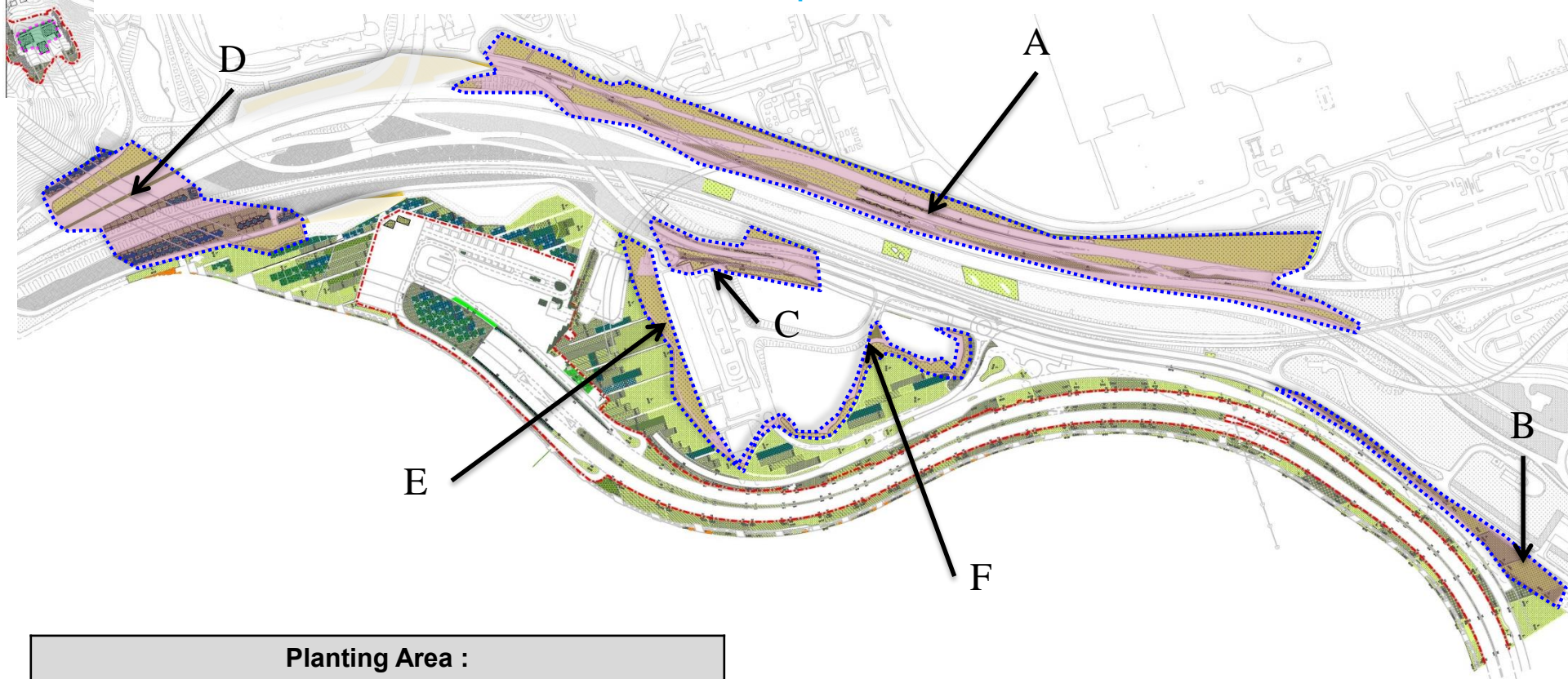
F. Next to HMA

G. Next to Shaft 3



Planting Area :

- A. Next to HMA Administration Building
- B. Along Ramps M014 and M015
- C. Turf areas at Tunnel SHT East Portal
- D. Vertical Planting along Walls of Tunnel SHT East Portal



Planting Area :

A. Along Airport Road

B. Along East Coast Road

C. East Coast Road and Tung Fai Road

D. Kwo Lo Wan Road, Shafts 1, 2 and 3

E. Outside CNAC Tower

F. Tung Yiu Road